Catherine Morency

List of Publications by Year
in descending order

115 papers	4,081 citations	218592 26 h-index	128225 60 g-index
116 all docs	116 docs citations	116 times ranked	3339 citing authors

#	Article	IF	Citations
1	Bike-Sharing Demand Prediction at Community Level under COVID-19 Using Deep Learning. Sensors, 2022, 22, 1060.	2.1	20
2	Criteria to prioritize opportunities to shift paratransit trips to regular transit network â€" Montreal case study. Journal of Transport and Health, 2022, 24, 101338.	1.1	1
3	Comparing Driving Cycle Development Methods Based on Markov Chains. Transportation Research Record, 2021, 2675, 212-221.	1.0	3
4	Impact of Weather, Activities, and Service Disruptions on Transportation Demand. Transportation Research Record, 2021, 2675, 294-304.	1.0	7
5	Transit network design using a genetic algorithm with integrated road network and disaggregated Oâ€"D demand data. Transportation, 2021, 48, 95-130.	2.1	15
6	Toward A Framework for Assessing the Fair Distribution of Space in Urban Streets. Transportation Research Record, 2021, 2675, 259-274.	1.0	2
7	needs-gap analysis of street space allocation. Journal of Transport and Land Use, 2021, 14, .	0.7	5
8	Measuring Changes in Multimodal Travel Behavior Resulting from Transport Supply Improvement. Transportation Research Record, 2021, 2675, 533-546.	1.0	7
9	Assessing Physical Activity Achievement by using Transit. Transportation Research Record, 2021, 2675, 506-514.	1.0	2
10	Impact of the Geographic Resolution on Population Synthesis Quality. ISPRS International Journal of Geo-Information, 2021, 10, 790.	1.4	2
11	Investigating the capacity of continuous household travel surveys in capturing the temporal rhythms of travel demand. Transportation, 2020, 47, 1787-1808.	2.1	4
12	Estimating latent cycling and walking trips in Montreal. International Journal of Sustainable Transportation, 2020, 14, 349-360.	2.1	8
13	Modeling the interactions between mobility options in the surrounding of bikesharing stations. , 2020, , 527-542.		2
14	Assessing the Efficiency of Household Residential Location Choices. Transportation Research Record, 2020, 2674, 455-465.	1.0	1
15	Process for the Encapsulation and Visualization of Dominant Demand and Supply Corridors. Transportation Research Record, 2020, 2674, 230-242.	1.0	0
16	The Potential Impacts of Urban and Transit Planning Scenarios for 2031 on Car Use and Active Transportation in a Metropolitan Area. International Journal of Environmental Research and Public Health, 2020, 17, 5061.	1.2	1
17	Typology of Bikeshare Users Combining Bikeshare and Transit. Transportation Research Record, 2020, 2674, 475-483.	1.0	9
18	Predicting Carsharing Station-Based Trip Generation Using a Growth Model. Transportation Research Procedia, 2020, 48, 1466-1477.	0.8	3

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19	Environmental and health impacts of transportation and land use scenarios in 2061. Environmental Research, 2020, 187, 109622.	3.7	8
20	Adjusting Dwell Time for Paratransit Services. Transportation Research Record, 2020, 2674, 638-648.	1.0	5
21	Capturing the Practices, Challenges, and Needs of Transportation Decision-Makers. , 2020, , .		2
22	Persistance de lâ€™automobilitÃ©Â? Analyse en trois perspectives. Flux, 2020, NÂ° 119-120, 142-172.	0.1	3
23	A mixed logit model analysis of residential choices of the young-elderly in the Montreal metropolitan area. , 2019, 44, 141-149.		9
24	INTERACT: A comprehensive approach to assess urban form interventions through natural experiments. BMC Public Health, 2019, 19, 51.	1.2	27
25	Frequent versus occasional drivers: A hybrid route choice model. Transportation Research Part F: Traffic Psychology and Behaviour, 2019, 64, 171-183.	1.8	16
26	Analyzing Transit User Behavior with 51 Weeks of Smart Card Data. Transportation Research Record, 2019, 2673, 33-45.	1.0	27
27	Assessing the Evolution of Transit User Behavior from Smart Card Data. Transportation Research Record, 2019, 2673, 184-194.	1.0	14
28	Enriching Travel Demand Forecasting Models with a Household Typology. Transportation Research Record, 2019, 2673, 975-987.	1.0	5
29	Exploring Service Usage and Activity Space Evolution in a Free-Floating Carsharing Service. Transportation Research Record, 2019, 2673, 36-49.	1.0	8
30	Integration of a phone-based household travel survey and a web-based student travel survey. Transportation, 2018, 45, 89-103.	2.1	10
31	On the role of bridges as anchor points in route choice modeling. Transportation, 2018, 45, 1181-1206.	2.1	8
32	An Octopus and a circle at the basis of a framework for the evaluation of sustainable mobility. Transport, 2018, 33, 242-248.	0.6	0
33	Estimating the health benefits of planned public transit investments in Montreal. Environmental Research, 2018, 160, 412-419.	3.7	10
34	Measuring the quality and diversity of transit alternatives. Transport Policy, 2018, 61, 51-59.	3.4	9
35	Factors Affecting Interview Duration in Web-Based Travel Surveys. Transportation Research Record, 2018, 2672, 33-44.	1.0	1
36	TTS2.0: A research and development (R&D) project on passenger travel survey methods. Transportation Research Procedia, 2018, 32, 659-665.	0.8	2

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37	Comparing multiple data streams to assess free-floating carsharing use. Transportation Research Procedia, 2018, 32, 617-626.	0.8	6
38	Using 5 parallel passive data streams to report on a wide range of mobility options. Transportation Research Procedia, 2018, 32, 82-92.	0.8	5
39	An online survey to enhance the understanding of car drivers route choices. Transportation Research Procedia, 2018, 32, 482-494.	0.8	6
40	A robust datawarehouse as a requirement to the increasing quantity and complexity of travel survey data. Transportation Research Procedia, 2018, 32, 436-447.	0.8	3
41	Walkability: Which Measure to Choose, Where to Measure It, and How?. Transportation Research Record, 2018, 2672, 139-150.	1.0	12
42	Trend analysis of activity generation attributes over time. Transportation, 2017, 44, 69-89.	2.1	6
43	Travel demand corridors: Modelling approach and relevance in the planning process. Journal of Transport Geography, 2017, 58, 196-208.	2.3	13
44	Spatial transferability assessment of a composite walkability index: The Pedestrian Index of the Environment (PIE). Transportation Research, Part D: Transport and Environment, 2017, 57, 378-391.	3.2	30
45	Evaluating Microtrip Definitions for Developing Driving Cycles. Transportation Research Record, 2017, 2627, 86-92.	1.0	17
46	Macro-, meso-, and micro-level validation of an activity-based travel demand model. Transportmetrica A: Transport Science, 2017, 13, 222-249.	1.3	8
47	Electric and hybrid car use in a free-floating carsharing system. International Journal of Sustainable Transportation, 2017, 11, 161-169.	2.1	35
48	Carsharing Versus Bikesharing. Transportation Research Record, 2017, 2650, 112-122.	1.0	18
49	Stimulating a Canadian narrative for climate. Facets, 2017, 2, 131-149.	1.1	3
50	What about Free-Floating Carsharing?. Transportation Research Record, 2016, 2563, 28-36.	1.0	18
51	Innovative GTFS Data Application for Transit Network Analysis Using a Graph-Oriented Method. Journal of Public Transportation, 2016, 19, 18-37.	0.3	16
52	Embracing Technological and Behavioral Changes: A Synthesis. Transportation Research Procedia, 2015, 11, 6-18.	0.8	0
53	Revisiting the destination ranking procedure in development of an Intervening Opportunities Model for public transit trip distribution. Journal of Geographical Systems, 2015, 17, 61-81.	1.9	6
54	Assessment of spatial transferability of an activity-based model, TASHA. Transportation Research, Part A: Policy and Practice, 2015, 78, 200-213.	2.0	16

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55	Methodology of parking analysis. Canadian Journal of Civil Engineering, 2015, 42, 281-285.	0.7	8
56	Trip Generation of Seniors and the Geography of Walking in Montreal. Environment and Planning A, 2015, 47, 957-976.	2.1	25
57	Differences in associations between active transportation and built environmental exposures when expressed using different components of individual activity spaces. Health and Place, 2015, 33, 195-202.	1.5	30
58	Identification of the minimum size of the shared-car fleet required to satisfy car-driving trips in Montreal. Transportation, 2015, 42, 435-447.	2.1	11
59	Compliance potential mapping: a tool to assess potential contributions of walking towards physical activity guidelines. BMC Public Health, 2014, 14, 511.	1.2	12
60	Walking accessibility to urban parks by children: A case study of Montreal. Landscape and Urban Planning, 2014, 125, 38-47.	3.4	145
61	Shifting short motorized trips to walking: The potential of active transportation for physical activity in Montreal. Journal of Transport and Health, 2014, 1, 100-107.	1.1	22
62	Assessing Impact of Carsharing on Household Car Ownership in Montreal, Quebec, Canada. Transportation Research Record, 2014, 2416, 48-55.	1.0	33
63	Encapsulating and Visualizing Disaggregated Origin–Destination Desire Lines to Identify Demand Corridors. Transportation Research Record, 2014, 2430, 162-169.	1.0	7
64	Application of an independent availability logit model (IAL) for route choice modelling: Considering bridge choice as a key determinant of selected routes for commuting in Montreal. Journal of Choice Modelling, 2013, 9, 14-26.	1.2	12
65	How Carsharing Affects the Travel Behavior of Households: A Case Study of Montréal, Canada. International Journal of Sustainable Transportation, 2013, 7, 52-69.	2.1	112
66	Jobs and the Single Parent: An Analysis of Accessibility to Employment in Toronto. Urban Geography, 2013, 34, 815-842.	1.7	19
67	Developing a web-based accessibility calculator prototype for the Greater Montreal Area. Transportation Research, Part A: Policy and Practice, 2013, 58, 103-115.	2.0	18
68	Development of an indicator to assess the spatial fit of discrete choice models. Transportation Research Part B: Methodological, 2013, 56, 217-233.	2.8	13
69	Mode use and trip length of seniors in Montreal. Journal of Transport Geography, 2013, 30, 89-99.	2.3	90
70	Integrated Intervening Opportunities Model for Public Transit Trip Generation–Distribution. Transportation Research Record, 2013, 2350, 47-57.	1.0	9
71	Unraveling the Travel Behavior of Carsharing Members from Global Positioning System Traces. Transportation Research Record, 2013, 2359, 59-67.	1.0	20
72	Web-Based Travel Survey: A Demo. , 2013, , 207-224.		9

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73	Workshop Synthesis: Exploiting and Merging Passive Public Transportation Data Streams. , 2013, , 711-720.		2
74	Activity Spaces and the Measurement of Clustering and Exposure: A Case Study of Linguistic Groups in Montreal. Environment and Planning A, 2012, 44, 315-332.	2.1	54
75	Are transit users loyal? Revelations from a hazard model based on smart card data. Canadian Journal of Civil Engineering, 2012, 39, 610-618.	0.7	42
76	Neighborhood Social Inequalities in Road Traffic Injuries: The Influence of Traffic Volume and Road Design. American Journal of Public Health, 2012, 102, 1112-1119.	1.5	137
77	Measuring accessibility: positive and normative implementations of various accessibility indicators. Journal of Transport Geography, 2012, 25, 141-153.	2.3	469
78	Explaining transport mode use of low-income persons for journey to work in urban areas: a case study of Ontario and Quebec. Transportmetrica, 2012, 8, 157-179.	1.8	30
79	Integrating parking behaviour in activity-based travel demand modelling: Investigation of the relationship between parking type choice and activity scheduling process. Transportation Research, Part A: Policy and Practice, 2012, 46, 154-166.	2.0	25
80	Modelling users' behaviour of a carsharing program: Application of a joint hazard and zero inflated dynamic ordered probability model. Transportation Research, Part A: Policy and Practice, 2012, 46, 241-254.	2.0	44
81	Using structural equations modeling to unravel the influence of land use patterns on travel behavior of workers in Montreal. Transportation Research, Part A: Policy and Practice, 2012, 46, 1252-1264.	2.0	37
82	Modeling isoexposure to transit users for market potential analysis. Transportation Research, Part A: Policy and Practice, 2012, 46, 1517-1527.	2.0	5
83	Estimating Latent Cycling Trips in Montreal, Canada. Transportation Research Record, 2012, 2314, 120-128.	1.0	14
84	Understanding members' carsharing (activity) persistency by using econometric model. Journal of Advanced Transportation, 2012, 46, 26-38.	0.9	38
85	Distance traveled in three Canadian cities: Spatial analysis from the perspective of vulnerable population segments. Journal of Transport Geography, 2011, 19, 39-50.	2.3	157
86	Geodemographic analysis and the identification of potential business partnerships enabled by transit smart cards. Transportation Research, Part A: Policy and Practice, 2011, 45, 640-652.	2.0	30
87	Walking to transit: An unexpected source of physical activity. Transport Policy, 2011, 18, 800-806.	3.4	74
88	Enhancing the Value of an Incidents Database with an Interactive Visualization Tool. , 2011, , .		0
89	Transcending the Typical Weekday with Large-Scale Single-Day Survey Samples. Transportation Research Record, 2011, 2230, 38-47.	1.0	9
90	Comparing Data from Mobile and Static Traffic Sensors for Travel Time Assessment. , 2011, , .		3

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91	Demographic Analysis of Route Choice for Public Transit. Transportation Research Record, 2011, 2217, 71-78.	1.0	12
92	A time-use investigation of shopping participation in three Canadian cities: is there evidence of social exclusion?. Transportation, 2011, 38, 17-44.	2.1	44
93	Smart card data use in public transit: A literature review. Transportation Research Part C: Emerging Technologies, 2011, 19, 557-568.	3.9	684
94	Estimation of Frequency and Length of Pedestrian Stride in Urban Environments with Video Sensors. Transportation Research Record, 2011, 2264, 138-147.	1.0	28
95	Trip generation of vulnerable populations in three Canadian cities: a spatial ordered probit approach. Transportation, 2010, 37, 525-548.	2.1	89
96	Accessibility to health care facilities in Montreal Island: an application of relative accessibility indicators from the perspective of senior and non-senior residents. International Journal of Health Geographics, 2010, 9, 52.	1.2	138
97	Active transportation as a way to increase physical activity among children. Child: Care, Health and Development, 2010, 36, 421-427.	0.8	12
98	Bridging the gap between complex data and decision-makers: an example of an innovative interactive tool. Transportation Planning and Technology, 2010, 33, 465-479.	0.9	2
99	Relative Accessibility Deprivation Indicators for Urban Settings: Definitions and Application to Food Deserts in Montreal. Urban Studies, 2010, 47, 1415-1438.	2.2	203
100	Travel time reliability on a highway network: estimations using floating car data. Transportation Letters, 2010, 2, 27-37.	1.8	16
101	â€œSeeing Is Believingâ€• Exploring Opportunities for the Visualization of Activityâ€"Travel and Land Use Processes in Spaceâ€"Time. Advances in Spatial Science, 2010, , 119-147.	0.3	2
102	Steps in Reserve. Transportation Research Record, 2009, 2140, 111-119.	1.0	7
103	Survey Mode Integration and Data Fusion: Methods and Challenges. , 2009, , 587-611.		19
104	Calculation of Transit Performance Measures Using Smartcard Data. Journal of Public Transportation, 2009, 12, 79-96.	0.3	52
105	Enhancing the Travel Survey Process and Data Using the CATI System. Transportation Planning and Technology, 2008, 31, 229-248.	0.9	5
106	Object-Oriented Analysis of Carsharing System. Transportation Research Record, 2008, 2063, 105-112.	1.0	20
107	Two Cities, Two Realities?. Transportation Research Record, 2008, 2082, 156-167.	1.0	9
108	How Many Steps Do you Have in Reserve?. Transportation Research Record, 2007, 2002, 1-6.	1.0	21

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109	Car sharing system: what transaction datasets reveal on users' behaviors. , 2007, , .		33
110	Measuring transit use variability with smart-card data. Transport Policy, 2007, 14, 193-203.	3.4	212
111	The ambivalence of ridesharing. Transportation, 2007, 34, 239-253.	2.1	111
112	MINING PUBLIC TRANSPORT USER BEHAVIOUR FROM SMART CARD DATA. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 399-404.	0.4	115
113	Les logiciels d'enquÃªte transport comme instruments incontournables de la planification analytique. Recherche - Transports - Securite, 2001, 70, 59-77.	0.1	1
114	Analyse dÃ©sagrÃ©gÃ©e des facteurs environnementaux associÃ©s au nombre dâ€™enfants blessÃ©s par un vÃ©hicule Ã moteur en milieu urbain. Cahiers De Geographie De Quebec, 0, 55, 449-468.	0.1	3
115	Car Ownership and the Built Environment: A Spatial Modeling Approach. Transportation Research Record, 0, , 036119812110494.	1.0	4